

## AMENDMENTS TO THE CLAIMS

1. - 25. Canceled

26. (Currently Amended) A communication device comprising:

a baseband symbol generator;

a dipole antenna;

a power amplifier coupled to said dipole antenna, the power amplifier being configured to receive a first output of said baseband symbol generator from a signal path that includes a fractional-N sigma-delta modulator having a pre-emphasis filter, to receive a second output of the baseband symbol generator, and to amplify the first output with a gain that is controlled by a varying amplitude of the second output;

wherein said fractional-N sigma-delta modulator includes at least:

\_\_\_\_\_ a sigma-delta converter coupled to the pre-emphasis filter; and

\_\_\_\_\_ a fractional-N phase locked loop unit coupled to an output of said sigma-delta converter,

\_\_\_\_\_ wherein a transfer function of said pre-emphasis filter is to be optimized according to predefined optimization criteria; and

\_\_\_\_\_ wherein said optimization criteria are related to an input to said pre-emphasis filter and are related to an input to a voltage controlled oscillator of the fractional-N phase locked loop unit.

27. - 33. Canceled

34. (Currently Amended) The communication device of claim ~~33~~ 26, wherein said transfer function of said pre-emphasis filter is a finite impulse response.

35. (Currently Amended) The communication device of claim ~~33~~ 26, wherein said optimization criteria includes a mean squared error of ~~an~~ said input to said pre-

emphasis filter and ~~an~~ the input to a voltage controlled oscillator of a said fractional-N phase locked loop unit.

36. – 38. Canceled